



DECLARATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Brandt et al. : Date: October 14, 2004
Group Art Unit: 2174 : IBM Corporation
Examiner: B. Pesin : Intellectual Property Law
Serial No.: 10/058,360 : Dept. 917, Bldg. 006-1
Filed: January 28, 2002 : 3605 Highway 52 North
Title: METHOD AND APPARATUS FOR : Rochester, MN 55901
DISPLAYING HELP WINDOW
SIMULTANEOUSLY WITH WEB
PAGE PERTAINING THERETO

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

**CERTIFICATE OF MAILING
UNDER 37 C.F.R. § 1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on October 14, 2004.

Lisa M. Plank

DECLARATION UNDER 37 C.F.R. § 1.131

I, the undersigned attorney of record, Grant A. Johnson, hereby declare as follows:

1. Attached is a document (Exhibit A) that was last edited prior to October 23, 1996. Confidential information not relevant to the invention date of the present application is masked.
2. In view of Exhibit A, the invention of pending claims 1-8 and 9-29 were reduced to practice prior to October 23, 1996, and filed with due diligence from prior to October 23, 1996, to the priority date of the present application on February 25, 1997.

Docket No.: ROC919960172US2
Serial No.: 10/058,360

DECLARATION

3. The undersigned, Grant A. Johnson, hereby declares that all statements made herein of his own knowledge are true and that these statements made on information and belief are believed to be true and further that these statements were made with knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent resulting therefrom.

10/14/04
Date


Grant A. Johnson



Exhibit A

ACT SAI

4.6.1.5 User Interface

The ACT Manager's user interface (UI) will consist of HTML (HyperText Markup Language) pages which will be viewed through the ACT's Web browser or workstation web browser. The main browser page will consist of at least two frames, one of which will be a menu to allow the administrator to select a set of preferences to view or work on. The main frame will be a work area and will include an HTML form; this will contain the UI controls which will show the current preference settings and allow the administrator to make changes. An example appears below to illustrate how this could look; in the example, the user has just clicked on the X5250 icon in the Set Up Tasks frame.

We will use JavaScript functions to enhance the behavior of the forms in the UI. JavaScript will allow us to write event handling functions to perform routine data validation on the form prior to submitting it to a CGI (Common Gateway Interface) program running on the server--a performance and usability enhancement.

Specific online help will be provided for each form; a separate help window will open when the user requests help by pushing the help button on the form.

4.6.1.5 ACT Utilities Interface

The ACT Utilities component is new for the ACT. The ACT Manager will send messages to ACT Utilities as part of the preference update process. The ACT Utilities will be listening on a well-known port that is listed in etc/services on the AS/400. A socket will be used to communicate with ACT Utilities.

Changes for a particular user or terminal preference may be made by an administrator located on his own terminal. The ACT Manager needs to locate the terminal where the new preference should be applied.

The ACT Manager will use the following methods to locate the target ACT terminal:

- The ACT Manager needs to lookup the terminal IP address given a terminal host name. When a new terminal boots the bootpd daemon will update etc/hosts. The ACT Manager will then use gethostbyname() to lookup the terminal. The ACT Manager also needs to know which devices are ACT terminals. The load_type field in the bootptab file will be read to filter out non-ACT devices.
- The ACT Manager needs to lookup the terminal IP address given the name of a user. This will tell the ACT Manager on which terminal a user is logged-on. When a user logs on to the terminal the Logon program will write his IP address and hostname to a file in the user's directory. The ACT Manager will read this file and attempt to contact the device(s) listed. The Logon program will add and remove entries to these files as users logon and logoff. (Note. we may use the security object, not a file...TBD).

A messaging interface needs to be defined between the ACT Manager and ACT Utilities. Shown below is the current list of messages sent to ACT Utilities.

Tell ACT Utilities to reboot the terminal. ACT Utilities waits num_sec, displays the reboot message and then reboots the terminal.

Field Name	Field Value
Command ID	REBOOT
Configd Password	String act_mgr_configd_pw
Reboot Type	RESET_TERM
Reboot Timing	int num_sec /* 0 reboot now */ /* >0 reboot after time delay */ /* -1 reboot at next logoff */
Reboot Message	String message_text

Tell ACT Utilities that a user preference file has changed for a particular application. The ACT Utilities uses the target UserID to verify the user is still logged-on. The ACT Utilities uses the client app name to locate the X Server files to xrdb -load. The ACT Utilities will reload the X Server files in the normal order (ie. control, then system, then user).

Field Name	Field Value
Command ID	USER_PREF_AVAILABLE
Configd Password	String act_mgr_configd_pw
Target User ID	String user_id /* NULL == current user */
Client_App	String client_app_name
Application Timing	int num_sec /* 0 apply changes now */ /* >0 apply after delay */

/* -1 apply at next logoff */

Tell ACT Utilities to display a Pop-up informational message sent by an administrator:

Field Name	Field Value
Command ID	DISPLAY_MESSAGE
Configd Password	String act_mgr_configd_pw
Target User ID	String user_id /* NULL == current user */
Message	String message_text

Query ACT Utilities for the current logged-on UserID and password. This is used by the ACT Manager CGI to learn which user is talking to it through the browser.

Field Name	Field Value
Command ID	GET_CURRENT_USER
Configd Password	String act_mgr_configd_pw

Reply from ACT Utilities containing current UserID:

Field Name	Field Value
Command ID	REPLY_CURRENT_USER
UserID	String user_id
Password	String password